

Sheet 1 of 3

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT STATEMENT BY APPLICANT  (Use several sheets if necessary)							ATTY. DOCKET NO.	SERIAL NO.
							702-010673	09/837,537
							APPLICANT(S) Simon Lodewijk SCHARPE et al.	
							FILING DATE	GROUP
							April 18, 2001	Art Unit 1646

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER						DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>JSL</i>	AA	5	5	4	3	3	9	6	08/06/1996	Powers et al.	514	19	
	AB												
	AC												
	AD												

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER				DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
										YES	NO
	AE										
	AF										

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>JSL</i>	AG	Tanaka et al., Anti-arthritic effects of the novel dipeptidyl peptidase IV inhibitors TMC-2A and TSL-225, 1998, Immunopharmacology, Vol. 40, p 21-26
<i>JSL</i>	AH	Berthou et al., Le Granzyme B: Une Protéase Essentielle De La Réponse Inflammatoire, 1998, Vol. 46, p 617-624
<i>JSL</i>	AJ	Cheng et al., Lung Endothelial Dipeptidyl Peptidase IV Promotes Adhesion and Metastasis of Rat Breast Cancer Cells via Tumor Cell Surface-associated Fibronectin, 1998, The Journal of Biological Chemistry, Vol. 273, No. 37, p 24207-24215
<i>JSL</i>	AJ	Gossens et al., Distribution of Prolyl Oligopeptidase in Human Peripheral Tissues and Body Fluids, 1996, Eur. J. Clin. Chem. Clin. Biochem., Vol. 34, p 17-22
<i>JSL</i>	AK	Ishino et al., cDNA Cloning of Mouse Prolyl Endopeptidase and Its Involvement in DNA Synthesis by Swiss 3T3 Cells, 1998, J. Biochem., Vol. 123, p 540-545
<i>JSL</i>	AL	Holst et al., Inhibition of the Activity of Dipeptidyl Peptidase IV as a Treatment for Type 2 Diabetes, 1998, Diabetes, Vol. 47, p 1663-1670
<i>JSL</i>	AM	Momohara et al., Elastase from polymorphonuclear leukocyte in articular cartilage and synovial fluids of patients with rheumatoid arthritis, 1997, Clinical rheumatology, Vol 16, No. 2, p 133-140
<i>JSL</i>	AN	Shingui et al., Biochemical and pharmacological characterization of FK706, a novel elastase inhibitor, 1997, European Journal of Pharmacology, Vol. 337, p 63-71
<i>JSL</i>	AO	Bai et al., The Involvement of Dipeptidyl Peptidase IV in Brush-border Degradation of GRF(1-29)NH <sub>2</sub> by Intestinal Mucosal Cells, 1995, J. Pharm. Pharmacol., Vol. 47, p 698-701
<i>JSL</i>	AP	Martin et al., Dipeptidyl peptidase IV (DPP-IV) from pig kidney cleaves analogs of bovine growth hormone-releasing factor (bGRF) modified at position 2 with Ser, Thr or Val...Extended-DPP-IV substrate specificity?, 1993, Biochimica et Biophysica Acta, Vol. 1164, p 252-260
<i>JSL</i>	AQ	Umemura et al., Pharmacokinetics and safety of JTP-4819, a novel specific orally active prolyl endopeptidase inhibitor, in healthy male volunteers, 1997, Blackwell Science Ltd., Vol. 43, p 613-618
<i>JSL</i>	AR	Shane et al., Modulation of endomorphin-2-induced analgesia by dipeptidyl peptidase IV, 1999, Brain Research, Vol. 815, p 278-286
<i>JSL</i>	AS	Pederson et al., Improved Glucose Tolerance in Zucker Fatty Rats by Oral Administration of the Dipeptidyl Peptidase IV Inhibitor Isoleucine Thiazolidide, 1998, Diabetes, Vol. 47, p 1253-1258
<i>JSL</i>	AT	Flint et al., Glucagon-like Peptide 1 Promotes Satiety and Suppresses Energy Intake in Humans, 1998, J. Clin. Invest., Vol. 101, No. 3, p 515-520

EXAMINER *Jefrey E. Russell* DATE CONSIDERED *May 28, 2004*

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	BE							
	BF							

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BG	Drucker et al., Human [Gly <sup>1</sup> ]GLP-2 reduces the severity of colonic injury in a murine model of experimental colitis, 1999, The American Physiological Society, p G79-G91
BH	Kotani et al., Immunohistochemical localization of dipeptidyl aminopeptidase IV in thyroid papillary carcinoma, 1992, Int. J. Exp. Path., Vol. 73, p 215-222
BI	Kurtschiev et al., Successful immunomodulating in AIDS patients with ursodeoxycholic acid—a pilot study, 1999, Exp. Immunol., Vol. 115, p 144-146
BJ	Lambier et al., Dipeptide-derived diphenyl phosphonate esters: mechanism-based inhibitors of dipeptidyl peptidase IV, 1996, Biochimica et Biophysica Acta, Vol 1290, p 76-82
BK	Meester et al., Use of immobilized adenosine deaminase (EC 3.5.4.4) for the rapid purification of native human CD26/dipeptidyl peptidase IV (EC 3.4.15.5), 1996, Journal of Immunological Methods, Vol. 189, p 99-105
BL	Meester et al., In Vivo Inhibition of Dipeptidyl Peptidase IV Activity by Pro-Pro-diphenyl-phosphonate (Prodipine), 1997, Biochemical Pharmacology, Vol. 54, p 173-179
BM	Yostimido et al., Prolyl oligopeptidase, 1998, Handbook of proteolytic enzymes, eds. Barrett et al., Academic Press, p 372-374
BN	Rettig, Fibroblast activation protein $\alpha$ , FAP $\alpha$ in Barrett <i>supra</i> , p 385-389
BOI	Tan et al., Lysosomal Pro-X carboxypeptidase, in Barrett et al. <i>supra</i> , p 405-407
BP	McDonald, Dipeptidyl-peptidase II, in Barrett, <i>supra</i> , p 408-411
BQ	Biehle, Leukocyte elastase, in Barrett, <i>supra</i> , p 54-60
BR	Parley et al., Therapeutic Protein Inhibitors of Elastase, 1997, Pharmaceutical Enzymes, ed. A. Lauwers and S. Scharpe, Marcel Dekker, Inc., p 306-326
BS	Colman, Plasma prekallikrein and kallikrein, p 147-153
BT	Vlasuk, Direct Factor Xa Inhibitors, p 261-283
BU	Shafer, Direct Thrombin Inhibitors: Active-Site Inhibitors of Thrombin, p 143-157
BV	Girard, Tissue Factor Pathway Inhibitor, p 225-260
BW	Bank, Selective Proteolytical Cleavage of the Ligand-Binding Chains of the IL-2-Receptor and IL-6-Receptor by Neutrophil-Derived Proteases, 1997, Cellular Peptidases in Immunological Functions and Diseases, p 231-242
BX	Chao, Human tissue kallikrein, p 97-101
BY	Naidoo et al., The Kinin System and Neutrophils, 1997, p 187-196
BZ	Padös et al., Metabolism of Bradykinin by Peptidases in Health and Disease, 1997, p 11-14

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CA							
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CC							
CD							

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CG	Flad et al., Regulation of Neutrophil Activation by Proteolytic Processing of Platelet-Derived $\alpha$ -Chemokines, 1997, Cellular Peptidases in Immune Functions and Diseases, p 223-230
CH	Korom et al., Inhibition of CD26/Dipeptidyl Peptidase IV Activity In Vivo Prolongs Cardiac Allograft Survival in Rat Recipients, 1997, Transplantation, Vol. 63, p 1495-1500
CI	Neudeck, Histochimical Evaluation of Placental Dipeptidyl Peptidase IV (CD26) in Pre-eclampsia: Enzyme Activity in Villous Trophoblast Indicates an Enhanced Likelihood of Gestational Hypertensive Disorders, 1997, American Journal of Reproductive Immunology, Vol 37, p 449-458
CJ	Chappell et al., Antihypertensive effects of angiotensin-(1-7), 1998, Brazilian Journal of Medical and Biological Research, Vol. 31, p 1205-1212
CK	Kar et al., Post-proline-cleaving enzyme in normal and dystrophic human muscle, 1981, Clinica Dhimica Acta, Vol. 111, p 271-273
CL	Toide et al., A Novel Prolyl Endopeptidase Inhibitor, JTP-4619 Its Behavioral and Neurochemical Properties for the Treatment of Alzheimer's Disease, 1998, Reviews in the Neurosciences, Vol. 9, p 17-29
CM	Jackson, $\alpha$ -p-Toluenesulfonyl-L-tyrosine, Its N-Acetyl and N-Benzoyl Derivatives, 1952, J. Am. Chem. Soc., Vol. 74, p 837-838
CN	Büchi et al., Total Syntheses of Aflatoxins M <sub>1</sub> and G <sub>1</sub> and an Improved Synthesis of Aflatoxin B <sub>1</sub> , 1971, Journal of the American Chemical Society, Vol. 93, p 746-752
CO	Bodanszky, The Benzylloxycarbonyl Group [1,2], In the Practice of Peptide Synthesis, 2 <sup>nd</sup> ed., 1994, p 11-18
CP	Veriznikov et al., Synthesis of Alkyl and Aryl, 1967, translated from Zhurnal Obshchei Khimii, Vol. 37, No. 6, p 1355-1358, p 1281-1283
CQ	Oleksyzyn et al., Diphenyl 1-Aminoalkanephosphonates, 1979, Synthesis, p 985-986
CR	Bodanszky et al., Blocking of the $\alpha$ -Carboxyl Group, 1994, In The Practice of Peptide Synthesis, 2 <sup>nd</sup> ed., Springer-Verlag, Berlin and Heidelberg, p 28-29
CS	Bamias et al., Monoclonal antibodies in oncology: <i>in vivo</i> targeting for immunoscintigraphy and therapy of human malignancies, Cambridge University Press, p 222-246
CT	Belyaev, et al., A new Synthetic Method for Proline Diphenyl Phosphonates, 1995, Tetrahedron Letters, Vol. 36, p 3755-3758

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